ELSEVIER

Journal of Non-Crystalline Solids 248 (1999) 257–259

JOURNAL OF NON-CRYSTALLINE SOLIDS

www.elsevier.com/locate/jnoncrysol

Author Index

Abdel-Latif, M.S., see Al-Saraj, M. 248 (1999) 137
Aggarwal, I.D., see Nguyen, V.Q. 248 (1999) 103
Al-Saraj, M., M.S. Abdel-Latif, I. El-Nahal and R. Baraka, Bioaccumulation of some hazardous metals by sol–gel entrapped microorganisms 248 (1999) 137
Auh, K.H., see Lee, S.W. 248 (1999) 127

Baraka, R., see Al-Saraj, M. 248 (1999) 137
Berg, K.-J., see Schulz, B.M. 248 (1999) 99
Berjoan, R., see Roualdes, S. 248 (1999) 235
Bosch, P., see Méndez-Vivar, J. 248 (1999) 147
Brüning, R. and T. Crowell, A method to determine the kinetics of a supercooled liquid by temperature scanning measurements applied to (Li,Na)acetate and GeO_2 248 (1999) 183

Carl, G., see Moisescu, C. 248 (1999) 176
Cho, H., see Schaller, T. 248 (1999) 19
Claußen, O., see Gerlach, S. 248 (1999) 92
Cormier, L., P.H. Gaskell and S. Creux, Comparison of the low-Q features in diffraction data for silicate glasses and crystals containing Sr or Ba 248 (1999) 84
Creux, S., see Cormier, L. 248 (1999) 84
Crowell, T., see Brüning, R. 248 (1999) 183

Dimitriev, Y., see Petkov, V. 248 (1999) 65
Durand, J., see Roualdes, S. 248 (1999) 235

Ebendorff-Heidepriem, H. and D. Ehrt, Tb^{3+} f–d absorption as indicator of the effect of covalency on the Judd–Ofelt Ω_2 parameter in glasses 248 (1999) 247
Ehrt, D., see Ebendorff-Heidepriem, H. 248 (1999) 247
El-Nahal, I., see Al-Saraj, M. 248 (1999) 137

Fitting, H.-J., see Trukhin, A.N. 248 (1999) 49
Freitas, J.A., see Nguyen, V.Q. 248 (1999) 103

Gaskell, P.H., see Cormier, L. 248 (1999) 84
Gerber, Th., see Petkov, V. 248 (1999) 65
Gerlach, S., O. Claußen and C. Rüssel, A voltammetric study on the thermodynamics of the Fe^{3+}/Fe^{2+}-equilibrium in alkali–lime–alumosilicate melts 248 (1999) 92
Giridhar, A. and S. Mahadevan, Cu as an additive in the $As_{0.4}Se_{0.2}Te_{0.4}$ glass: mean atomic volume and T_g 248 (1999) 253
Gonçalves, M.C., see Radovanovic, E. 248 (1999) 37
Gozzi, M.F., see Radovanovic, E. 248 (1999) 37

Habelitz, S., see Moisescu, C. 248 (1999) 176
Hannon, A.C., see Hoppe, U. 248 (1999) 1
Hoppe, U., Behavior of the packing densities of alkali germanate glasses 248 (1999) 11
Hoppe, U., R. Kranold, H.-J. Weber and A.C. Hannon, The change of the Ge–O coordination number in potassium germanate glasses probed by neutron diffraction with high real-space resolution 248 (1999) 1
Hovnanian, N., see Roualdes, S. 248 (1999) 235

Ilieva, D., see Petkov, V. 248 (1999) 65

Jana, C., see Moisescu, C. 248 (1999) 169
Jana, C., see Moisescu, C. 248 (1999) 176

Kane, S.N., see Srinivas, S. 248 (1999) 211
Kasap, S.O., see Tonchev, D. 248 (1999) 28
Kaul, S.N., see Srinivas, S. 248 (1999) 211
Knott, P., see Lee, S.W. 248 (1999) 127
Koltashev, V.V., see Sigaev, V.N. 248 (1999) 141
Kranold, R., see Hoppe, U. 248 (1999) 1
Kürbitz, S., see Schulz, B.M. 248 (1999) 99

Lara, V.H., see Méndez-Vivar, J. 248 (1999) 147
Lee, S.W., K.B. Shim, K.H. Auh and P. Knott, Activation energy of crystal growth in $PbTiO_3$ glass using differential thermal analysis 248 (1999) 127
Lee, Y.-K. and M. Tomozawa, Effect of water content in phosphate glasses on slow crack growth rate 248 (1999) 203
Lloyd, I.K., see Nguyen, V.Q. 248 (1999) 103

Maekawa, T., see Yamashita, H. 248 (1999) 115
Mahadevan, S., see Giridhar, A. 248 (1999) 253

Méndez-Vivar, J., R. Mendoza-Serna, P. Bosch and V.H. Lara, Influence of isoeugenol as a chelating agent on the structure of Si–Ti polymeric systems obtained from alkoxides 248 (1999) 147
Mendoza-Serna, R., see Méndez-Vivar, J. 248 (1999) 147
Moisescu, C., C. Jana and C. Rüssel, Crystallization of rod-shaped fluorapatite from glass melts in the system SiO_2–Al_2O_3–CaO–P_2O_5–Na_2O–K_2O–F^- 248 (1999) 169
Moisescu, C., C. Jana, S. Habelitz, G. Carl and C. Rüssel, Oriented fluorapatite glass-ceramics 248 (1999) 176

Nagata, K., see Yamashita, H. 248 (1999) 115
Ngai, K.L., Derivation of a relation between the activation energies of ionic conductivity in the glassy and molten states of glass-forming ionic conductors: an application to silver iodide–silver selenate 248 (1999) 194
Nguyen, V.Q., J.S. Sanghera, J.A. Freitas, I.D. Aggarwal and I.K. Lloyd, Structural investigation of chalcogenide and chalcohalide glasses using Raman spectroscopy 248 (1999) 103

Ohshima, S., see Yoda, S. 248 (1999) 224
Ono, K., see Yamashita, H. 248 (1999) 115

Pape, I., B.K. Tanner and M. Wormington, Grazing incidence X-ray scattering measurement of silicate glass surfaces 248 (1999) 75
Pernice, P., see Sigaev, V.N. 248 (1999) 141
Petkov, V., O. Stachs, Th. Gerber, D. Ilieva and Y. Dimitriev, Atomic ordering in $x$$Ga_2O_3$·(100−$x$)$TeO_2$ glasses (x=10, 17.5, 25) by X-ray diffraction 248 (1999) 65
Plotnichenko, V.G., see Sigaev, V.N. 248 (1999) 141
Polsky, C.H., K.H. Smith and G.H. Wolf, Effect of pressure on the absolute Raman scattering cross section of SiO_2 and GeO_2 glasses 248 (1999) 159
Porstendorfer, J., see Schulz, B.M. 248 (1999) 99

Radovanovic, E., M.F. Gozzi, M.C. Gonçalves and I.V.P. Yoshida, Silicon oxycarbide glasses from silicone networks 248 (1999) 37
Rong, C., see Schaller, T. 248 (1999) 19
Roualdes, S., N. Hovnanian, A. Van der Lee, R. Berjoan and J. Durand, Organic/inorganic thin films deposited from diethoxydimethylsilane by plasma enhanced chemical vapor deposition 248 (1999) 235
Rüssel, C., see Gerlach, S. 248 (1999) 92
Rüssel, C., see Moisescu, C. 248 (1999) 169
Rüssel, C., see Moisescu, C. 248 (1999) 176

Sanghera, J.S., see Nguyen, V.Q. 248 (1999) 103
Schaller, T., C. Rong, M.J. Toplis and H. Cho, TRAPDOR NMR investigations of phosphorus-bearing aluminosilicate glasses 248 (1999) 19
Schulz, B.M., S. Kürbitz, J. Porstendorfer, K.-J. Berg and M. Schulz, Field-assisted cation exchange: an independent support of the kinetic interaction model 248 (1999) 99
Schulz, M., see Schulz, B.M. 248 (1999) 99
Shim, K.B., see Lee, S.W. 248 (1999) 127
Sigaev, V.N., E.N. Smelyanskaya, V.G. Plotnichenko, V.V. Koltashev, A.A. Volkov and P. Pernice, Low-frequency band at 50 cm^{-1} in the Raman spectrum of cristobalite: identification of similar structural motifs in glasses and crystals of similar composition 248 (1999) 141
Smelyanskaya, E.N., see Sigaev, V.N. 248 (1999) 141
Smith, K.H., see Polsky, C.H. 248 (1999) 159
Srinivas, S., S.N. Kaul and S.N. Kane, Enhanced electron–electron interaction, weak localization and electron–magnon scattering contributions to electrical resistivity in Fe- and Co-based metallic glass wires 248 (1999) 211
Stachs, O., see Petkov, V. 248 (1999) 65

Tanner, B.K., see Pape, I. 248 (1999) 75
Tomozawa, M., see Lee, Y.-K. 248 (1999) 203
Tonchev, D. and S.O. Kasap, Thermal properties of Sb_xSe_{100-x} glasses studied by modulated temperature differential scanning calorimetry 248 (1999) 28
Toplis, M.J., see Schaller, T. 248 (1999) 19
Trukhin, A.N. and H.-J. Fitting, Investigation of optical and radiation properties of oxygen deficient silica glasses 248 (1999) 49

Van der Lee, A., see Roualdes, S. 248 (1999) 235
Volkov, A.A., see Sigaev, V.N. 248 (1999) 141

Weber, H.-J., see Hoppe, U. 248 (1999) 1
Wolf, G.H., see Polsky, C.H. 248 (1999) 159
Wormington, M., see Pape, I. 248 (1999) 75

Yamashita, H., K. Nagata, H. Yoshino, K. Ono and T. Maekawa, Structural

studies of $30Na_2O–5SiO_2–65[(1-x)P_2O_5–xB_2O_3]$ glasses by nuclear magnetic resonance, Raman and infrared spectroscopy 248 (1999) 115

Yoda, S. and S. Ohshima, Supercritical drying media modification for silica aerogel preparation 248 (1999) 224

Yoshida, I.V.P., see Radovanovic, E. 248 (1999) 37

Yoshino, H., see Yamashita, H. 248 (1999) 115

ELSEVIER

Journal of Non-Crystalline Solids 248 (1999) 260–262

JOURNAL OF NON-CRYSTALLINE SOLIDS

www.elsevier.com/locate/jnoncrysol

Subject Index

Alkali Silicate Glasses
Electrochemical Properties 248 (1999) 92

Aluminosilicates
Nuclear Magnetic Resonance, Phosphates 248 (1999) 19

Anisotropy
Crystallization, Glass Ceramics 248 (1999) 169
Crystallization, Glass Ceramics 248 (1999) 176

Catalysis
Sol-Gel Method 248 (1999) 137

Chalcogenides
Composition, Structure, Thermal Properties 248 (1999) 28
Halide Glasses, Raman Spectra, Structure 248 (1999) 103

Chalcogenide Glasses
Density, Glass Transition, Structure 248 (1999) 253

Composition
Chalcogenides, Structure, Thermal Properties 248 (1999) 28

Crystallization
Anisotropy, Glass Ceramics 248 (1999) 169
Anisotropy, Glass Ceramics 248 (1999) 176
Differential Thermal Analysis 248 (1999) 127

Defects
Optical Properties, Radiation Effects, Silica 248 (1999) 49

Density
Chalcogenide Glasses, Glass Transition, Structure 248 (1999) 253
Germanates, Structure 248 (1999) 11
Mixed-Alkali Effect 248 (1999) 99

Differential Thermal Analysis
Crystallization 248 (1999) 127
Fragility, Glass Transition, Thermal Properties 248 (1999) 183

Electrical Properties
Electronic Conductivity, Metallic Glasses 248 (1999) 211

Electrochemical Properties
Alkali Silicate Glasses 248 (1999) 92

Electronic Conductivity
Electrical Properties, Metallic Glasses 248 (1999) 211

Fragility
Differential Thermal Analysis, Glass Transition, Thermal Properties 248 (1999) 183

Germanates
Density, Structure 248 (1999) 11
Neutron Diffraction, Structure 248 (1999) 1

Germania
Pressure Effects, Raman Spectra, Silica 248 (1999) 159

Glass Ceramics
Anisotropy, Crystallization 248 (1999) 169
Anisotropy, Crystallization 248 (1999) 176

Glass Transition
Chalcogenide Glasses, Density, Structure 248 (1999) 253
Differential Thermal Analysis, Fragility, Thermal Properties 248 (1999) 183

Halide Glasses
Chalcogenides, Raman Spectra, Structure 248 (1999) 103

Ionic Conductivity
Ionic Conductivity Relaxation 248 (1999) 194

Ionic Conductivity Relaxation
Ionic Conductivity 248 (1999) 194

Medium-Range Order
Neutron Diffraction, Oxides, X-ray Diffraction 248 (1999) 84

Metallic Glasses
Electrical Properties, Electronic Conductivity 248 (1999) 211

Mixed-Alkali Effect
Density 248 (1999) 99

Neutron Diffraction
Germanates, Structure 248 (1999) 1
Medium-Range Order, Oxides, X-ray Diffraction 248 (1999) 84

Nuclear Magnetic Resonance
Aluminosilicates, Phosphates 248 (1999) 19
Optical Properties, Structure 248 (1999) 115
Silicon Carbide, Structure, Thermal Analysis 248 (1999) 37

Optical Properties
Defects, Radiation Effects, Silica 248 (1999) 49
Nuclear Magnetic Resonance, Structure 248 (1999) 115

Oxides
Medium-Range Order, Neutron Diffraction, X-ray Diffraction 248 (1999) 84

Phosphates
Aluminosilicates, Nuclear Magnetic Resonance 248 (1999) 19
Static Fatigue, Water in Glass 248 (1999) 203

Plasma Deposition
Thin Films 248 (1999) 235

Pressure Effects
Germania, Raman Spectra, Silica 248 (1999) 159

Radiation Effects
Defects, Optical Properties, Silica 248 (1999) 49

Raman Spectra
Chalcogenides, Halide Glasses, Structure 248 (1999) 103
Germania, Pressure Effects, Silica 248 (1999) 159
Silica, Structure 248 (1999) 141

Rare Earth Ions
Structure 248 (1999) 247

Roughness
Silica, Surface, X-ray Diffraction 248 (1999) 75

Silica
Defects, Optical Properties, Radiation Effects 248 (1999) 49
Germania, Pressure Effects, Raman Spectra 248 (1999) 159
Raman Spectra, Structure 248 (1999) 141
Roughness, Surface, X-ray Diffraction 248 (1999) 75

Silicon Carbide
Nuclear Magnetic Resonance, Structure, Thermal Analysis 248 (1999) 37

Sol-Gel Method
Catalysis 248 (1999) 137

Sol-Gel Precursors
Sol-Gel Processes, Titania 248 (1999) 147

Sol-Gel Processes
Sol-Gel Precursors, Titania 248 (1999) 147
Supercritical Drying 248 (1999) 224

Static Fatigue
Phosphates, Water in Glass 248 (1999) 203

Structure
Chalcogenide Glasses, Density, Glass Transition 248 (1999) 253
Chalcogenides, Halide Glasses, Raman Spectra 248 (1999) 103
Composition, Chalcogenides, Thermal Properties 248 (1999) 28
Density, Germanates 248 (1999) 11
Germanates, Neutron Diffraction 248 (1999) 1
Nuclear Magnetic Resonance, Optical Properties 248 (1999) 115
Nuclear Magnetic Resonance, Silicon Carbide, Thermal Analysis 248 (1999) 37
Raman Spectra, Silica 248 (1999) 141
Rare Earth Ions 248 (1999) 247
Tellurite Glasses, X-ray Diffraction 248 (1999) 65

Supercritical Drying
Sol-Gel Processes 248 (1999) 224

Surface
Roughness, Silica, X-ray Diffraction 248 (1999) 75

Tellurite Glasses
Structure, X-ray Diffraction 248 (1999) 65

Thermal Analysis
Nuclear Magnetic Resonance, Silicon Carbide, Structure 248 (1999) 37

Thermal Properties
Composition, Chalcogenides, Structure 248 (1999) 28
Differential Thermal Analysis, Fragility, Glass Transition 248 (1999) 183

Thin Films
Plasma Deposition 248 (1999) 235

Titania
Sol-Gel Precursors, Sol-Gel Processes 248 (1999) 147

Water in Glass
Phosphates, Static Fatigue 248 (1999) 203

X-ray Diffraction
Medium-Range Order, Neutron Diffraction, Oxides 248 (1999) 84
Roughness, Silica, Surface 248 (1999) 75
Structure, Tellurite Glasses 248 (1999) 65